



Attorney Docket No. 826.1777

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rf
02/06/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Shigeki WATANABE, et al.

Application No.: 10/014,367

Group Art Unit: 2631

Filed: December 14, 2001

Examiner:

For: OPTICAL PULSE ADDITION DEVICE

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FEB 04 2003

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Technology Center 2600

Sir:

In accordance with the duty of disclosure provisions of 37 CFR § 1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1. Enclosures accompanying this Information Disclosure Statement are:

- 1a. ☒ Form PTO-1449.
- 1b. ☒ Copies of IDS citations.
- 1c. ☒ An English language copy of search report(s) from a counterpart foreign application or a PCT International Search Report.
- 1d. ☒ English language translation (complete or relevant portion(s)) included for non-English language publications.
- 1e. ☐ Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of each non-English publication.
- 1f. ☒ List of Copending Applications (ATTACHMENT 1(f), hereto).
- 1g. ☐ List of Additional Submitted Documents (ATTACHMENT 1(g), hereto).

2. ☒ This Information Disclosure Statement is filed under 37 CFR §1.97(b):

(Check either Item 2a or 2b or 2c or 2d)

- 2a. ☐ Within three months of the filing date of a national application other than a Continued Prosecution Application under § 1.53(d);
- 2b. ☐ Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application.
- 2c. ☒ Before the mailing of a first Office Action on the merits; or
- 2d. ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114.

3. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(c) after the period specified in paragraph 2 above but before the mailing date of any of a Final Office Action under § 1.113, a Notice of Allowance under § 1.311 or an action that otherwise closes prosecution in the application, AND

(Check either Item 3a or 3b; Item 3b to be checked if any reference known for more than 3 months)

- 3a. ☐ The §1.97(e) Statement in Item 5 below is applicable; OR
3b. ☐ The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:
☐ enclosed.
☐ to be charged to Deposit Account No. 19-3935.

4. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(d) after the period specified in paragraph 3 above, but on or before payment of the Issue Fee, AND

- 4a. ☐ The §1.97(e) Statement in Item 5 below is applicable; AND
4b. ☐ The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:
☐ enclosed.
☐ to be charged to Deposit Account No. 19-3935.

5. ☐ Statement under §1.97(e) (*applicable if Item 3a or Item 4 is checked*)

(Check either Item 5a or 5b)

- 5a. ☐ In accordance with 37 CFR §1.97(e)(1), it is stated that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
5b. ☐ In accordance with 37 CFR §1.97(e)(2), it is stated that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known by any individual designated in §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

6. ☐ This is a continuation/divisional/continuation-in-part application under 37 CFR § 1.53(b).

(Check appropriate Items 6a and/or 6b)

- 6a. ☐ Copies of the publications listed on the attached Form PTO-1449 which were previously cited in prior application Serial No. __, filed on __, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, have been omitted pursuant to 37 CFR §1.98(d).
6b. ☐ Copies of the publications listed on the attached Form PTO-1449 which were not previously cited in prior application Serial No. __, filed on __, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. §120, are provided herewith.

7. ☐ This is a continuation/divisional application under 37 CFR §1.53(d) or Request for Continued Examination under 37 CFR §1.114.

(Check either Item 7a or 7b)

- 7a. ☐ The Issue Fee has not been paid.
7b. ☐ A Petition to Withdraw from issue under 37 CFR §1.313(c) is filed concurrently herewith or has been granted. A continuation application under 37 CFR §1.53(d) or Request for Continued Examination under 37 CFR §1.114, after payment of the Issue Fee is proper in accordance with 37 CFR §1.53(d)(1)(ii) or 37 CFR §1.114(a), respectively.

8. ☐ This is a Supplemental Information Disclosure Statement.

(Check either Item 8a or 8b)

- 8a. ☐ This Supplemental Information Disclosure Statement under 37 CFR §1.97(f) supplements the Information Disclosure Statement filed on _____. A bona fide attempt was made to comply with 37 CFR §1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental IDS can be considered as if properly filed on _____.
8b. ☐ This Supplemental Information Disclosure Statement is timely filed within one (1) month of the Notice under 37 CFR §1.97 and 1.98, mailed _____. (MPEP 609 C(1), Form & 6.49, Rev. 1, Feb. 2000, pp. 600-107)

9. ☒ In accordance with 37 CFR §1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:

(Check appropriate Items 9a, 9b, 9c and/or 9d)

- 9a. ☒ satisfied because non-English language publications were cited on the enclosed English language copy of the PCT International Search Report or the search report from a counterpart foreign application indicating the degree of relevance found by the foreign office. (See U.S. Patent & Trademark Office's authorization in the Federal Register, Vol. 57, No. 12, January 17, 1992, at page 2031 (Reply to Comment 68).)
9b. ☒ set forth in the application.
9c. ☒ satisfied because an English language translation (complete or relevant portion(s)) is included for each non-English language publication.
9d. ☐ enclosed as Attachment 1(e), hereto.

10. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§1.97(g) and (h).

11. The Commissioner is authorized to credit any overpayment or charge any additional fee required under 37 CFR §1.17 for this Information Disclosure Statement and/or Petition to Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Dated: 2/3/03
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By: 

Stephen T. Boughner
Registration No. 45,317



Sheet 1 of 2

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 826.1777	APPLICATION NO. 10/014,367
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		FIRST NAMED INVENTOR Shigeki WATANABE, et al.	
		FILING DATE December 14, 2001	GROUP ART UNIT 2631

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	6,424,773	07/23/02	Watanabe			
	AB	6,453,082	09/17/02	Watanabe			
	AC	6,477,300	11/05/02	Watanabe et al. **			

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES	NO
	AD	EP 0 892 516 A2	01/20/99	EP				
	AE	WO 00/72067 A1	11/30/00	PCT				
	AF	EP 0 771 091 A2	05/02/97	EP				
	AG	EP 0 938 197 A2	08/25/99	EP				
	AH	JP 00-00789	09/01/00	JP			Corresponding to * U.S. Serial No. 09/814,762 ✓	
	AI	JP 99-02665	10/15/99	JP			Corresponding to U.S. Patent No. 6,453,082	
	AJ	JP 99-02335	08/26/99	JP			Corresponding to * U.S. Serial No. 09/637,640 ✓	
	AK	JP 99-01994	05/14/99	JP			Corresponding to * U.S. Serial No. 09/571,384 ✓	
	AL	JP 99-01050	05/14/99	JP			Corresponding to * U.S. Serial No. 09/560,723 ✓	
	AM	JP 98-00737	06/23/98	JP			Corresponding to U.S. Patent No. 6,424,773	

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

* See attached List of Co-pending Applications

** Corresponds to U.S. Serial No. 09/783,557 cited in present specification

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ATTACHMENT 1(F)

LIST OF COPENDING APPLICATIONS

ATTORNEY DOCKET NO.	APPLICATION NO.
826.1777	10/014,367
FIRST NAMED INVENTOR	
Shigeki WATANABE, et al.	
FILING DATE	GROUP ART UNIT
December 14, 2001	2631

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided.

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialing same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

U.S. PATENT APPLICATION DOCUMENTS

*EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE
	1	09/560,723	April 28, 2000	Shigeki WATANABE	FUJITSU LIMITED, Kawasaki, Japan
	2	09/571,384	May 15, 2000	Shigeki WATANABE	FUJITSU LIMITED, Kawasaki, Japan
	3	09/637,640	August 14, 2000	Shigeki WATANABE	FUJITSU LIMITED, Kawasaki, Japan
	4	09/774,686 ***	February 1, 2001	Akira KARASUDANI	FUJITSU LIMITED, Kawasaki, Japan
	5	09/803,978 ****	March 13, 2001	Shinichi TAKEDA, et al.	FUJITSU LIMITED, Kawasaki, Japan
	6	09/814,762*****	March 23, 2001	Shigeki WATANABE, et al.	FUJITSU LIMITED, Kawasaki, Japan
	7				
	8				

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*** Cited in first paragraph of application and on page 7 of application (JP-2000-34454)

**** Cited in first paragraph of application

***** Cited on page 7 of application (JP-2000-264757)



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Sheet 2 of 2

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 826.1777	APPLICATION NO. 10/014,367
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		FIRST NAMED INVENTOR Shigeki WATANABE, et al.	
		FILING DATE December 14, 2001	GROUP ART UNIT 2631

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AN <input checked="" type="checkbox"/>	Communication from the European Patent Office dated September 19, 2002
	AO <input checked="" type="checkbox"/>	T. Morioka, et al., Multiple-output, 100 Gbit/s all-optical demultiplexer based on multichannel four-wave mixing pumped by a linearly-chirped square pulse; Electronics Letters, 10 th November 1994, Vol. 30, No. 23, pages 1959-1960
	AP <input checked="" type="checkbox"/>	Kentaro Uchiyama, et al., 100-Gb/s Multiple-Channel output All-Optical OTDM Demultiplexing Using Multichannel Four-Wave Mixing in a Semiconductor Optical Amplifier, IEEE Photonics Technology Letters, Vol. 10, No. 6, June 1, 1998, pages 890-892
	AQ <input checked="" type="checkbox"/>	K. Uchiyama et al., Multiple-channel output all-optical OTDM demultiplexer using XPM-included chirp compensation of (MOXIC), Electronics Letters, March 19, 1998, Vol. 34, No. 6
	AR <input checked="" type="checkbox"/>	S. Watanabe, et al, "All-Optical Signal Processing Using Highly-Nonlinear Optical Fibers", IEICE Transactions on Communications, A Publication of the Communications Society, Vol. E84-B, No. 5, May 2001.

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	